



Public Service Commission of Wisconsin

Daniel R. Ebert, Chairperson
Mark Meyer, Commissioner
Lauren Azar, Commissioner

610 North Whitney Way
P.O. Box 7854
Madison, WI 53707-7854

Public Service Commission of Wisconsin
RECEIVED: 06/19/07, 3:05:09 PM

June 19, 2007

Mr. Roman Draba
Wisconsin Electric Power Company
231 West Michigan Street Room 321
Milwaukee, WI 53203-2918

RE: Strategic Energy Assessment for the years January 1, 2008,
through December 31, 2014

5-ES-104

Dear Mr. Draba:

The Strategic Energy Assessment (SEA) has been a useful tool in analyzing the state of Wisconsin's electricity needs. This initiative seeks to provide the Commission with information regarding the electric supply and demand situation in Wisconsin and to increase the awareness of energy policy issues for the public and other policy makers. To this end, the attachment to this letter is a data request, in spreadsheet template format, regarding energy infrastructure issues. The information requested is very similar to what has been asked for in previous SEAs. The data request templates have been provided to you in hard copy form and can also be accessed through the Commission's website at <http://psc.wi.gov>. Please use the Commission's Electronic Regulatory Filing (ERF) system when responding to this data request.

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Thank you for your input regarding this important initiative. I am confident that with your help this assessment process will offer real benefit to the state of Wisconsin. Please feel free to contact Randel Pilo at (608) 266-3165 and randel.pilo@psc.state.wi.us, or Christine Swailes

Mr. Roman Draba
Docket 5-ES-104
Page 2

at (608) 266-8776 and christine.swailes@psc.state.wi.us, if you have any questions about the process or the attached questions and data request.

Sincerely,

/s/ Robert Norcross

Robert Norcross
Administrator
Gas and Energy Division

Enclosures

RDN:CAS:jlt:L:\SEA2007-2008\Letters\data request 6-18-07.doc

cc: Mr. Roman Draba, WEPCO
Mr. Patrick Connors, WPPI
Ms. Kelly Haried, WP&L
Ms. Megan Wisersky, MG&E
Ms. Christine Wiesner, WPSC
Ms. Linda Kuester, DPC
Mr. David Donovan, NSPW
Mr. Roger Engle, SWLP
Mr. Nilaksh Kothari, MPU
Mr. Jason Goodwin, Calpine
Mr. Dale Landgren, ATC

SEA file, PSCW



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610 North Whitney Way
P.O. Box 7854
Madison, WI 53707-7854

June 19, 2007

Mr. Pat Connors
Wisconsin Public Power Inc. System
1425 Corporate Center Drive
Sun Prairie, WI 53590-9109

RE: Strategic Energy Assessment for the years January 1, 2008,
through December 31, 2014

5-ES-104

Dear Mr. Connors:

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Mr. Pat Connors
Docket 5-ES-104
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Administrator
Gas and Energy Division

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Daniel R. Ebert, Chairperson
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610 North Whitney Way
P.O. Box 7854
Madison, WI 53707-7854

June 19, 2007

Ms. Kelly Haried
Wisconsin Power and Light Company
4902 North Biltmore Lane
Madison, WI 53707-1007

RE: Strategic Energy Assessment for the years January 1, 2008,
through December 31, 2014

5-ES-104

Dear Ms. Haried:

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Ms. Kelly Haried
Docket 5-ES-104
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Sincerely,

/s/ Robert Norcross

Robert Norcross
Administrator
Gas and Energy Division

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610 North Whitney Way
P.O. Box 7854
Madison, WI 53707-7854

June 19, 2007

Ms. Megan Wisersky
Madison Gas and Electric Company
133 South Blair Street
Madison, WI 53788-0001

RE: Strategic Energy Assessment for the years January 1, 2008,
through December 31, 2014

5-ES-104

Dear Ms. Wisersky:

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Ms. Megan Wisersky
Docket 5-ES-104
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/s/ Robert Norcross

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Administrator
Gas and Energy Division

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610 North Whitney Way
P.O. Box 7854
Madison, WI 53707-7854

June 19, 2007

Ms. Christine Wiesner
Wisconsin Public Service Corporation
P.O. Box 19001
Green Bay, WI 54307-9001

RE: Strategic Energy Assessment for the years January 1, 2008,
through December 31, 2014

5-ES-104

Dear Ms. Wiesner:

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Ms. Christine Wiesner
Docket 5-ES-104
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Sincerely,

/s/ Robert Norcross

Robert Norcross
Administrator
Gas and Energy Division

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610 North Whitney Way
P.O. Box 7854
Madison, WI 53707-7854

June 19, 2007

Ms. Linda Kuester
Dairyland Power Cooperative
P.O. Box 817
LaCrosse, WI 54602-0817

RE: Strategic Energy Assessment for the years January 1, 2008,
through December 31, 2014

5-ES-104

Dear Ms. Kuester:

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Ms. Linda Kuester
Docket 5-ES-104
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Sincerely,

/s/ Robert Norcross

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610 North Whitney Way
P.O. Box 7854
Madison, WI 53707-7854

June 19, 2007

Mr. David Donovan
Northern States Power Company-Wisconsin
P.O. Box 8
Eau Claire, WI 54702-0008

RE: Strategic Energy Assessment for the years January 1, 2008, 5-ES-104
through December 31, 2014

Dear Mr. Donovan:

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Mr. David Donovan
Docket 5-ES-104
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SEA file, PSCW



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610 North Whitney Way
P.O. Box 7854
Madison, WI 53707-7854

June 19, 2007

Mr. Roger Engle
Superior Water Light and Power Company
Box 519
Superior, WI 54880-0519

RE: Strategic Energy Assessment for the years January 1, 2008,
through December 31, 2014

5-ES-104

Dear Mr. Engle:

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Mr. Roger Engle
Docket 5-ES-104
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Lauren Azar, Commissioner

610 North Whitney Way
P.O. Box 7854
Madison, WI 53707-7854

June 19, 2007

Mr. Nilaksh Kothari
Manitowoc Public Utilities
P.O. Box 1090
Manitowoc, WI 54221-1090

RE: Strategic Energy Assessment for the years January 1, 2008,
through December 31, 2014

5-ES-104

Dear Mr. Kothari:

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Mr. Nilaksh Kothari
Docket 5-ES-104
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Mark Meyer, Commissioner
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610 North Whitney Way
P.O. Box 7854
Madison, WI 53707-7854

June 19, 2007

Mr. Dale Landgren
American Transmission Company LLC
P.O. Box 47
Waukesha, WI 53187-0047

RE: Strategic Energy Assessment for the years January 1, 2008,
through December 31, 2014

5-ES-104

Dear Mr. Landgren:

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610 North Whitney Way
P.O. Box 7854
Madison, WI 53707-7854

June 19, 2007

Mr. Jason Goodwin
Calpine
717 Texas Avenue Suite 1000
Houston, TX 77002

RE: Strategic Energy Assessment for the years January 1, 2008,
through December 31, 2014

5-ES-104

Dear Mr. Goodwin:

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Docket 5-ES-104

Template Instructions

General Instructions:

Please report the following data using the attached Excel template formats by September 15, 2007. Submit detailed information on the particular supply options that will be used to meet retail and wholesale customers' needs for peak electric power during the summers of 2008 through 2014 and the corresponding actual data for 2005 and 2006. The 2007 data should be a combination of actual and forecasted data. Attached to these instructions are the appropriate reporting template formats to use for summarizing the reliability assessment information. The sample templates originate with the Strategic Energy Assessment (SEA) rules and incorporate the same definitions for all supply and demand terms. Utilities should include wholesale load obligation customers in their estimates. When preparing the electric reliability assessment, the following instructions apply:

- 1) With respect to electric demand, report the current peak load forecast on a non-coincident basis and the monthly demand forecast as shown on the attached templates.
- 2) Note that in this SEA we are asking for monthly energy information, in addition to the annual information that was requested in the past.
- 3) For direct load control, interruptible load, and voluntary firm load curtailment programs, report the actual or projected amounts to be available for dispatch.
- 4) For capacity sales and purchases with reserves, report only those arrangements for which a signed, completed agreement already exists. On a separate, brief description sheet provide a listing for signed agreements of each capacity sale and purchase with reserves including necessary transmission rights. See item l) below, for instructions on how to report those without a signed completed agreement.
- 5) Report any other miscellaneous demand adjustments as necessary. Examples include public appeals, voltage control, etc. Be sure to identify each item.
- 6) With respect to existing aggregate generation capacity, report the total amount directly owned that is used for Wisconsin customers needs. See item g) below for new supply plans.
- 7) Separately, indicate the amount of electric generating capacity that is provided under signed completed contracts with independent power producers or merchant power plants. See item l) below on how to report those without a signed completed agreement.
- 8) For unit retirements, new owned or leased capacity additions, and existing unit changes, report the appropriate value in the year in which the item occurs and then adjust the aggregate generating capacity as appropriate in subsequent years. Provide full descriptions of all changes in the appropriate template.

- 9) For owned or leased generation, separately report and identify those large-scale (greater than 50 MW) planned or scheduled unit/facility outages at the peak, making sure that the relevant capacity is also included as part of aggregate generating capacity. If warranted, follow a similar procedure for planned or scheduled outages of independent power producers or merchant power plant capacity.
- 10) For capacity sales and purchases without reserves, whether on a unit or system basis, report only those arrangements for which a signed completed agreement already exists. On a separate, brief description sheet in the template for signed agreements provide a list of each capacity sale and purchase without reserves including necessary transmission rights. See item 1) below for instructions on how to report those without a signed completed agreement.
- 11) Report any other miscellaneous supply adjustments as necessary. Examples include temporary diesel electric generation, derates due to weather, etc. Be sure to identify each item.
- 12) Report firm interface capacity reservations utilizing either the Michigan/Wisconsin, MAPP\WUMS, or northern-Illinois\WUMS interfaces.
- 13) If the utility is in the process of purchasing resources via ownership, lease, or purchase under a procurement process that has commenced, but that process has not reached the point where a signed completed contract or agreement exists, do not report such in-progress electric supply values in the summer peak demand and supply template. Rather, indicate on a separate in-progress sheet in the templates for expected or potential agreements the type and size of the resource in MW and to what extent it would cover the 2008 to 2014 time frame. Include necessary transmission information as well, if available or as required. In addition, indicate when the procurement negotiations are expected to be completed.
- 14) Only the information included in Tab 9, the economic data, and some of the information included in Tab 3, details of signed purchases, and information included in Tab 4, details of potential purchases, is expected to be filed confidentially. All other information is expected to be public.

Specific Instructions:

- 1) Provide the utility's average energy production cost for each type of generating unit for 2006 and 2007 (2007 will be a combination of actual and forecasted data) and specify the projected range of energy production cost by unit type for each year from 2008 to 2014. (Attached Template Format)
- 2) Provide the utility's annual energy requirements for 2006 and 2007 and the projected annual energy requirements for 2008 to 2014. (Attached Template Format)
- 3) Provide the utility's projected annual average level of emissions identified in Wis. Admin. Code § PSC 111.21(1)(a)6., per kWh of output for 2008 to 2014.

- 4) For those entities that provide rate-based energy efficiency programs to Wisconsin customers directly or by contracting, provide the following projected energy conservation data and information for 2008 to 2014: (Also Attached Template Format)
 - a) Dollars projected to be spent on energy conservation activity.
 - b) Projected energy savings in kWh and demand savings in kW, excluding direct load control and interruptible load impacts.
 - c) A comprehensive description of all planned activities to discourage ineffective and excessive power use.
- 5) For each transmission provider, submit the data and information set forth in Wis. Admin. Code § PSC 111.43 for 2008 to 2014 as updated to reflect MISO data reporting. (Attached Template Format)

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